Index of Claims

| Applic | ation | 1/Contro | l No. |
|--------|-------|----------|-------|

10/002,915 Examiner

BRIAN P. YENKE

Applicant(s)/Patent under Reexamination

KIM ET AL.

Art Unit

2622

| <b>√</b> | Rejected |
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| 1        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Ŋ | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | Claim Date |          |                |        | Claim Date |          |          |           |           |         |    | CI       | aim      | Date            |          |        |                 |          |          |           |          |       |            |              |                 |          |          |          |          |          |          |          |
|----------|------------|----------|----------------|--------|------------|----------|----------|-----------|-----------|---------|----|----------|----------|-----------------|----------|--------|-----------------|----------|----------|-----------|----------|-------|------------|--------------|-----------------|----------|----------|----------|----------|----------|----------|----------|
| Final    | Original   | 4/3/06   |                |        |            |          |          |           |           |         |    | Final    | Original |                 |          |        |                 |          |          |           |          | Final | Original   |              |                 |          |          |          |          |          |          |          |
|          | <u> </u>   |          |                |        |            |          |          | L         | $\perp$   | $\perp$ |    |          | 1        |                 |          |        |                 |          |          |           |          | _     |            |              |                 |          |          |          |          |          |          |          |
| 1        | 1          | =        |                |        | <u> </u>   |          | ļ        | ╀         | +         | +       | -  | <u> </u> | 51       | Ш               |          | 4      | $\sqcup$        | $\perp$  | -        |           |          |       | 101        |              | Ш               |          |          |          | _        |          | _        | $\perp$  |
| 3        | 2          | =        | Н              |        | ├          | ⊢        | ┝        | ╁         | ╁         |         | -  | -        | 52<br>53 | $\vdash$        | +        | +      | ┼               | +        | _        | Н         |          |       | 102<br>103 | -            |                 | $\dashv$ |          |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
| 4        | 4          | =        | Н              |        | ┢╌         | ╁        | $\vdash$ | ╁         | +         | +       | -  |          | 54       | Н               |          | +-     | ╁┼              | +        | +-       | H         |          |       | 103        |              | Н               |          |          | _        | $\vdash$ |          | $\dashv$ | $\dashv$ |
| 6        | 5          | =        |                |        |            |          | ┢        | ✝         | 十         | $\top$  | 1  |          | 55       | H               | +        | +      | $\vdash$        | $\dashv$ | +        | Н         |          |       | 105        |              |                 |          | $\dashv$ | _        |          |          | ᆿ        | $\dashv$ |
| 11       | 6          | =        |                |        |            |          | İ.,      |           | 1         | 1       | 1  |          | 56       | П               | ┪        | T      | П               | _        | $\top$   |           |          |       | 106        |              |                 |          |          |          |          | $\Box$   | $\dashv$ | ᅱ        |
| 12       | 7          | =        |                |        |            |          |          | Γ         |           |         | ]  |          | 57       |                 |          |        |                 |          |          |           |          |       | 107        |              |                 |          |          |          |          |          | コ        | $\Box$   |
| 13       | 8          | =        |                |        | <u> </u>   | <u> </u> | <u> </u> | ot        | $\perp$   | $\perp$ | 4  |          | 58       |                 |          |        |                 |          |          |           |          |       | 108        |              |                 |          |          |          |          |          | $\Box$   | $\Box$   |
| 14       | 9          | =        | $\blacksquare$ |        | <u> </u>   | ┞        | -        | Ļ         | $\bot$    | 4-      | 4  | <u> </u> | 59       | $\sqcup$        | 4        | 4      |                 | 4.       | $\bot$   | Ш         |          |       | 109        |              |                 | $\Box$   |          |          |          |          | $\dashv$ | ᆜ        |
| 15<br>16 | 10<br>11   | =        | $\dashv$       |        | -          | $\vdash$ | ╀        | +         | +         | +       | -  | <u> </u> | 60       | $\vdash \vdash$ | +        |        | $\vdash$        | -        | -        | Щ         |          |       | 110        | $\vdash$     | $\sqcup$        | 4        | Щ        |          |          |          | 4        | _        |
| 17       | 12         | =        | $\vdash$       |        | -          | ⊢        | $\vdash$ | +         | +         | +-      | -  | $\vdash$ | 61<br>62 | $\vdash \vdash$ | +        | +-     | +               |          | +        | H         |          |       | 111<br>112 | $\vdash$     | $\vdash$        | -        |          |          | Щ        | -        | $\dashv$ | $\dashv$ |
| 18       | 13         | =        | Н              | _      | ╁          | $\vdash$ | $\vdash$ | +         | +         | ╁       | -  | -        | 63       | $\vdash$        | +        | +-     | +               | $\dashv$ | +        | H         |          |       | 113        | $\vdash$     | $\vdash$        | -        |          | _        |          | $\dashv$ | $\dashv$ | $\dashv$ |
| 19       | 14         | =        | Н              | _      | $\vdash$   | H        | $t^-$    | $\dagger$ | +         | +       | 1  | -        | 64       | H               | +        | +      | +               | +        | +        | H         |          |       | 114        | $\vdash$     | $\vdash$        | $\dashv$ | $\vdash$ |          | $\vdash$ |          | ᅱ        | $\dashv$ |
| 20       | 15         | =        | Н              |        |            | Г        | T        | T         | $\dagger$ | ╅       | 1  | -        | 65       | H               | $\dashv$ | +      | $\sqcap$        | $\top$   | +        | Н         |          |       | 115        |              | $\vdash \vdash$ | $\dashv$ |          | _        | $\vdash$ |          | $\dashv$ | $\dashv$ |
| 21       | 16         | =        |                |        |            |          | Ľ        | Ι         | I         |         |    |          | 66       |                 | 1        | 1      |                 | 十        |          |           |          |       | 116        |              | П               | $\neg$   |          |          |          |          | ᄀ        | $\dashv$ |
| 7        | 17         | =        |                | _      |            |          |          |           | I         | $\perp$ |    |          | 67       |                 |          |        |                 |          |          |           |          |       | 117        |              |                 |          |          |          |          |          | П        |          |
| 8        | 18         | =        |                |        |            |          |          | L         |           |         |    |          | 68       |                 |          |        |                 |          |          |           |          |       | 118        |              |                 |          |          |          |          |          |          |          |
| 9        | 19         | =        | Ш              |        | <u> </u>   | _        | L        | L         | ┸         | $\perp$ | _  |          | 69       |                 |          |        | Ш               |          |          |           |          |       | 119        |              |                 |          |          |          |          |          | $\Box$   |          |
| 5        | 20         | =        |                |        | <u> </u>   | ļ        | I        | ╀         | +         | +       | 4  | <u> </u> | 70       | Ш               | _        | _      | 1               | 4        |          | Щ         |          |       | 120        |              | Ш               | _        |          |          |          |          | _        | _        |
| 10       | 21<br>22   | ш        | $\square$      |        | ⊢          | ⊢        | ├-       | ╀         | +         | +       | -  | <u> </u> | 71       | $\vdash \vdash$ | $\dashv$ | -      | -               | _        |          | $\square$ |          |       | 121        | $oxed{oxed}$ | Н               |          |          |          |          |          | $\dashv$ | _        |
|          | 23         |          | $\dashv$       |        | ├          | ⊢        | ┢        | ╀         | ╁         | +-      | ┨Ш | <u> </u> | 72<br>73 | $\vdash$        | +        |        | ╁╌┼             | +        | +        | Н         |          |       | 122        | $\vdash$     | -               |          |          |          | -        | $\dashv$ | $\dashv$ | -1       |
|          | 24         |          | $\dashv$       | -      | -          | 1        | ┢        | ╁         | +         | +       | -  | <u> </u> | 74       | H               | +        | +      | ╁┷┼             | +        | +-       | H         |          |       | 123<br>124 |              | _               |          |          | $\vdash$ | -        |          | $\dashv$ | ᅱ        |
|          | 25         |          |                |        |            | 1        | H        | t         | +         | +-      | 1  | -        | 75       | H               | _        | ╅      | +               | +        | +        | H         | <b>}</b> |       | 125        |              | $\dashv$        | $\dashv$ |          |          |          | -        | $\dashv$ | ᅱ        |
|          | 26         |          |                |        |            | 1        |          |           | ╅         | ╅       | ١  |          | 76       | $\vdash$        | $\top$   | +      | ╁╼╁             | $\dashv$ |          | Н         | 1        |       | 126        | H            |                 | $\dashv$ |          | -        |          | -+       | $\dashv$ | ᅱ        |
|          | 27         |          |                |        |            |          |          |           |           |         |    |          | 77       |                 |          | 1      | $\Box$          | T        |          |           |          |       | 127        |              | Ħ               | _        |          |          |          |          | $\dashv$ | ⊣        |
|          | 28         |          |                |        |            |          |          |           |           |         |    |          | 78       |                 |          |        |                 |          |          |           |          |       | 128        |              |                 |          |          |          |          |          |          |          |
|          | 29         |          |                |        |            | L.       | ļ        | L         | 1         |         |    |          | 79       |                 |          |        |                 |          |          |           |          |       | 129        |              |                 |          |          |          |          |          |          | $\Box$   |
|          | 30         |          |                |        | L          | <u> </u> | <u> </u> | ╄         | 1         | 4       | _  |          | 80       | Ш               |          |        | Ш               | $\perp$  |          | Ш         |          |       | 130        |              |                 |          |          |          |          | $\Box$   |          | $\Box$   |
|          | 31         | Щ        |                |        |            | <u> </u> | ┢        | ╄-        | +         | 4-      | -  |          | 81       |                 | _        |        | $\sqcup$        | _        | $\perp$  |           |          |       | 131        | Ш            | Ц               | _        | $\Box$   |          |          | _        | $\dashv$ |          |
|          | 32<br>33   | Н        | -              | _      | ┝          | H        | ┢        | -         | ╀         | ╁       | -  |          | 82       | $\vdash$        |          | +      | $\vdash$        | 4        |          | Щ         |          |       | 132        | Щ            | $\sqcup$        |          | _        | $\dashv$ |          | _        |          | 4        |
|          | 34         | $\vdash$ | $\dashv$       |        | $\vdash$   | $\vdash$ | $\vdash$ | +         | +         | +       | -  |          | 83<br>84 | $\vdash$        |          | +      | $\vdash \vdash$ | +        | +        | H         |          |       | 133<br>134 | Н            | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | $\dashv$ |
|          | 35         | H        | $\dashv$       |        | $\vdash$   |          | $\vdash$ | $\vdash$  | +         | ╁       | 1  | -        | 85       | $\vdash$        | +        | +      | $\vdash \vdash$ | +        | +        | H         | iii l    |       | 135        | H            | $\vdash \vdash$ |          |          | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 36         | $\Box$   | $\neg$         |        |            | T        | Т        | T         | +         | $\top$  | 1  | <u> </u> | 86       | $\vdash$        | +        | +      | $\vdash$        | ╅        | +        | H         | H        |       | 136        | $\vdash$     | $\vdash$        | $\dashv$ |          |          | $\dashv$ | ┪        | $\dashv$ | $\dashv$ |
|          | 37         |          |                |        |            |          |          |           | T         | $\top$  | 1  |          | 87       | $\Box$          | $\dashv$ | $\top$ | $\sqcap$        | +        | $\top$   | $\square$ |          |       | 137        | H            | $\vdash$        | $\dashv$ | $\neg$   |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 38         |          |                |        |            |          |          | L         | I         |         | ]  |          | 88       |                 |          | I      |                 |          |          |           |          |       | 138        |              |                 | ᅥ        |          |          | $\dashv$ | _        | $\dashv$ | $\dashv$ |
|          | 39         |          |                |        |            |          |          |           | $\perp$   | $\perp$ |    |          | 89       |                 |          |        |                 | ╧        |          |           |          |       | 139        |              |                 | ╛        |          |          |          |          |          | コ        |
|          | 40         | Щ        |                |        | Ш          | <u> </u> | _        | L         | $\perp$   | $\perp$ |    | <u> </u> | 90       | П               |          | Ţ      | П               | $\bot$   |          |           |          |       | 140        |              |                 | $\Box$   |          |          |          |          |          | $\Box$   |
|          | 41         | Ш        |                |        | $\vdash$   | Ļ.       | $\vdash$ | ╀         | +         | +       | 4  | <u> </u> | 91       | $\sqcup$        | $\perp$  | 4      | $\sqcup$        | $\perp$  | $\perp$  | Ш         |          |       | 141        | Ш            | $\Box$          | $\Box$   |          |          |          | $\Box$   | $\Box$   | $\Box$   |
|          | 42<br>43   | Н        |                |        | <u> </u>   | $\vdash$ | $\vdash$ | ╀         | +         | +       | 4  | <u> </u> | 92       | $\vdash \vdash$ | $\perp$  |        | ⊢┼              | +        | +        | Щ         |          |       | 142        | Ш            | $\sqcup$        | _        | _        | _        | _        | 4        | _        | _        |
|          | 43         | $\dashv$ | $\dashv$       |        | Н          | $\vdash$ | $\vdash$ | +-        | +         | +       | -  | -        | 93<br>94 | $\vdash$        | +        | +-     | ┤┤              | +        | +        | $\dashv$  |          |       | 143        | Н            | $\dashv$        |          |          | 4        | $\dashv$ | 4        |          | $\dashv$ |
|          | 45         | $\vdash$ | $\dashv$       | -      | Н          | $\vdash$ | -        | ╁         | +         | +       | 1  | $\vdash$ | 95       | $\vdash$        | +        | +      | $\vdash \vdash$ | +        | $\dashv$ | $\dashv$  | ŀ        |       | 144<br>145 |              | $\vdash$        | $\dashv$ |          | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 46         | $\dashv$ | $\dashv$       | -      | H          | $\vdash$ | $\vdash$ | t         | +         | +       | 1  | $\vdash$ | 96       | $\vdash$        | +        | +      | $\vdash$        | +        | +        | H         | ŀ        |       | 146        | $\vdash$     | $\vdash$        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 47         | $\dashv$ | 一              | $\neg$ | Н          | $\vdash$ |          | T         | T         | $\top$  | 1  |          | 97       | $\vdash$        | +        | +      | $\sqcap$        | +        | +        | $\dashv$  | ŀ        |       | 147        | $\vdash$     | $\vdash$        | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ |
|          | 48         |          |                |        |            |          |          | Τ         | T         | T       | 1  |          | 98       | $\sqcap$        | +        | $\top$ | $\sqcap$        | _        | $\top$   | $\dashv$  | ı        |       | 148        | $\vdash$     | $\dashv$        | +        | $\dashv$ | $\dashv$ | -        | $\neg +$ | $\dashv$ | $\dashv$ |
|          | 49         |          |                |        |            |          |          |           | Ι         |         |    |          | 99       |                 | 丁        |        |                 |          | $\top$   |           | ı        |       | 149        | $\Box$       | $\dashv$        | 7        | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ | 寸        | $\dashv$ |
|          | 50         | ]        | $\Box$         |        |            |          |          |           |           |         | ]  |          | 100      |                 |          | T      | П               |          | $\sqcap$ |           |          |       | 150        |              |                 | 寸        |          | $\neg$   | ヿ        | _        | 寸        | ┪        |